

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/001569

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 H04L 9/14**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G06F 15/00, H04L 9/00 08 14 32

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

search terms : two-factor authentication, symmetric key, password,

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 20030037241 A1 20 Feb. 2003 (Pitney Bowes Inc.) claims 1-26	1-21
Y	US 20020078346 A1 20 June 2002 (Ravi Sandhu, etc.) claims 1-6	1-3, 8, 15, 18, 20
Y	US 5434918 A 18 Jul. 1995 (Hughes Aircraft Company) claims 1	1-3, 8, 15, 18, 20
A	WO 03-025771 A1 27. Mar. 2003 (Yozen Inc.) claims 1-7, 14-16	1, 8, 15, 18, 20
A	US 20020159601 A1 31 Oct. 2002 (Matsushita Elec. Ind. Co. Ltd.) claims 1- 10	1, 8, 15, 18, 20
A	US 6088799 A 11 Jul. 2000 (IBM Corp.) claims 1-8	1, 8, 15, 18, 20
A	WO 98-045975 A3 15 Oct. 1998 (Fielder) claims 1, 11, 26	1, 8, 15, 18, 20

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

18 OCTOBER 2004 (18.10.2004)

Date of mailing of the international search report

**20 OCTOBER 2004 (20.10.2004)**

Name and mailing address of the ISA/KR



Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

JEONG, Jae Woo

Telephone No. 82-42-481-5718



# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/001569

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 20030037241 A1	20 Feb. 2003	None	
US 20020078346 A1	20 June 2002	WO 02051050 A1	27 June 2002
US 5434918 A	18 Jul. 1995	EP 0683907 A1	29 Nov. 1995
		WO 95016947 A1	22 June 1995
		JP 1996-502847 A	26 Mar. 1996
		KR 1996-7001410 A	24 Feb. 1996
WO 03-025771 A1	27. Mar. 2003	None	
US 20020159601 A1	31 Oct. 2002	EP 1255392 A2	06 Nov. 2002
		JP 2003-030143 A	31 Jan. 2003
US 6088799 A	11 Jul. 2000	None	
WO 98-045975 A3	15 Oct. 1998	US 5995624 A1	30 Nov. 1998
		EP 0966813 A2	29 Dec. 1999
		JP 2002-508892 A	19 Mar. 2002